Power Cost Memorandum Fuel Cost Update

Date: November 4, 2021 Utility Name (Cert. No.) Utility File No. Date Filed: Pedro Bay Village Council (662) PC51-0120J October 15, 2021 PCE AMOUNT Previously Staff Recommended Amount(s) **SUMMARY** Approved and Effective Date PC51-0120J PC51-0120I Class Date Approved: Rate October 8, 2021 November 5, 2021 ALL \$0.3281 \$0.3240 ✓ Permanent ✓ Permanent ☐ Interim Prior Fuel Purchase Price: \$ 3.5491 New Fuel Purchase Price: \$ 3.5114 Actual Weighted Actual Veighted Delivery Charge: Surcharge Change: Previous Updated Weighted Average Fuel Price/Gal. Calculation Gallons Price On-hand before deliv. 100 Χ 3.5491 354.91 Delivered 1,638 Χ 3.5091 5,749.31 6.104.22 1.738 Weighted Average 3.5114 Brenda Cox Signed: Utility Financial Analyst Commission decision re. this recommendation : I WILL WRITE Date (if different I DO NOT A DISSENTING from 11/4/21) CONCUR **CONCUR** STATEMENT * **Pickett** Kurber AGS Scott RMP for DS Sullivan TWW Wilson

Special Instructions to Staff:

^{*} If this column is initialed, Staff will contact the Commissioner for the statement. Otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

POWER COST EQUALIZATION CALCULATION FOR PERIOD ENDING September 30, 2019 Fuel Cost Update

A.	Total kWh Generated
B.	Total kWh Sold (Appendix 2)
C.	Total Non-Fuel Costs (Appendix 2)
D.	Non-Fuel Cost/kWh (C / B)
E.	Total Fuel Costs (Appendix 2)
F.	Fuel Costs/kWh (E / B)
G.	Eligible Costs/kWh (D + F)
H.	Eligible Cost/kWh (G) less base rate in effect
I.	Lesser of (H) or 79.97 cents/kWh
J.	Average Class Rates (Appendix 3)
	ALL
K.	Lesser of: (I) x 95% or (J)
	ALL
L.	Funding Level in Effect
	ALL

PC51-0120I		PC51-0120J
Prior Staff Calculated	Utility Request	Staff Recommended
178,710	178,710	178,710
151,194	151,194	151,194
22,063	22,063	22,063
\$0.1459	\$0.1459	\$0.1459
60,435	59,792	59,792
\$0.3997	\$0.3955	\$0.3955
\$0.5456	\$0.5414	\$0.5414
\$0.3453	\$0.3411	\$0.3411
\$0.3453	\$0.3411	\$0.3411
\$0.6197	\$0.6197	\$0.6197
Class F	Power Cost Equa Per kWh Payab	
	1 O. KWIII ayab	10
\$0.3281	\$0.3240	\$0.3240
100%	100%	100%
\$0.3281	\$0.3240	\$0.3240

PC51-0120J

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY FOR PERIOD ENDING September 30, 2019

Fuel Cost Update

				1 001-01201		1 001-01200		
				Prior Approved	Per Utility	Staff Recommended		
Nor A.	n-Fuel Costs: Personnel Costs			14,867	14,867	14,867		
В.	Operating Expense			1,853	1,853	1,853		
C.	General & Administrative			4,137	4,137	4,137		
D.	Depreciation			909	909	909		
E.	Interest Expense			297	297	297		
F.	Other (Describe)			0	0	0		
G.	Total Non-Fuel Costs			\$22,063	\$22,063	\$22,063		
Fue H.	el Costs: Gallons Consumed for Electric Generation			17,028	17,028	17,028		
I.	Price of Fuel:(per gal) Weighted Average			\$3.5491	\$3.5114	\$3.5114		
J.	Total Cost of Fuel			\$60,435	\$59,792	\$59,792		
K.	kWh Generated			178,710	178,710	178,710		
L.	kWh Sales			151,194	151,194	151,194		
M.	kWh Station Service		Standard	12,112	12,112	12,112		
N.	Efficiency (K/H)	<u>></u>	Standard 10.50	10.50	10.50	10.50		
O.	Line Loss	<u><</u>	12%	8.62%	8.62%	8.62%		
(kW	(kWh Generated -(kWh Sold + Station Service)/kWh Generated)							

PC51-0120I

Weighted Average Fuel Price/Gal. Calculation

3 3	Gallons	<u>Price</u>			
On-hand before deliv.	100 X	3.5491	=	354.91	
Delivered	1,638 X	3.5091	=	5,749.31	Weighted
	1,738			\$ 6,104.22	Average
					\$ 3.5114

PC51-0120J Appendix 2

Alternate Form
Appendix 3
Page 1 of 1

CALCULATION OF AVERAGE CLASS RATE PER kWh

(1)	Rate Schedule:	All		Customer Charge (CC): \$5.00			
Block	(1)	(2)	(3)	(4)	(5)		
(by kWh) (\$/kWh) (\$/kWh) (\$2+3) (1x4)+CC (\$5)/(1) \$ 0.2003 0 to 500 0.8100 0.8100 410.00 0.8200 0.6197 Max 500 Total 410.00 0.8200 0.6197 Rate Schedule: (1) (2) (3) (4) Total Avg. Avg. Rate Avg. Rate (\$/kWh) (Plank	Poto	Suroborgo			_	
O to 500				` '	·	, ,	
to to to to Total A10.00 0.8200 0.6197 Rate Schedule: (1) (2) (3) (4) (5) (6) (7) (8/Wh) (8/Wh) (2+3) (1x4) (5)/(1) \$ 0.2003 0 to to to Total Block Rate Surcharge (8/Wh) (2+3) (1x4) (5)/(1) \$ 0.2003 Rate Schedule: (1) (2) (3) (4) (5) (6) (5)/(1) \$ 0.2003 Total Schedule: (1) (2) (3) (4) (5) (6) (7) (8/Wh) (8/Wh) (8/Wh) (8/Wh) (8/Wh) (1x4) (5)/(1) \$ 0.2003 Rate Schedule: (1) (2) (3) (4) (5) (6) (8/Wh) (8/Wh) (8/Wh) (8/Wh) (1x4) (5)/(1) \$ 0.2003 0 to	` - ´	, ,	(4//////	` '	· · ·	(=), (=)	7 0.200
Total	to						
Max	to						
Rate Schedule:	to						
(1)	Max 500			Total	410.00	0.8200	0.6197
Block	Rate Schedule:						
Block (by kWh) (\$/kWh) (\$/kW	(1)	(2)	(3)				
(by kWh) (\$/kWh) (\$/kWh) (2+3) (1x4) (5)/(1) \$ 0.2003 0 to to to <	Disala	Dete	0				
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Total							
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Rate Schedule:							
Rate Schedule:				Total			
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Block (by kWh)		(2)	(3)	(4)	(5)	(6)	(7)
Block (by kWh) (\$\frac{\(\carcei\circ \) \} \} \} \} \} \\ \\ \\ \\) \\ \\ \\ \\ \\ \\ \\ \\ \\	(1)	(2)	(3)				
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to to Total Total Rate Schedule: (1) (2) (3) (4) (5) (6) (7) Avg. Avg. Rate Block Rate Surcharge (\$/kWh) \$ (\$/kWh) - (by kWh) (\$/kWh) (\$/kWh) (\$/kWh) (\$/kWh) (\$/kWh) (\$/kWh) (5)/(1) \$ 0.2003 0 to to to to to	0 to						
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Rate Schedule: (1) (2) (3) (4) (5) (6) (7) Total Total Avg. Avg. Rate Block Rate Surcharge (\$/kWh) \$ (\$/kWh) (\$/kWh) - (\$/kWh) (\$/kWh) (\$/kWh) (\$/kWh) (\$/kWh) (\$/kWh) - (\$/kWh) (\$	to						
(1) (2) (3) (4) (5) (6) (7) Total Total Total Avg. Avg. Rate (\$/kWh)	Max 500			Total			
Block	Rate Schedule:						
Block (\$/kWh) (\$/kWh) (\$/kWh) (\$/kWh) (\$/kWh) (\$/kWh) - (\$/kWh) (\$/kWh) (\$/kWh) (\$/kWh) (\$/kWh) (\$/kWh) (\$/kWh) (\$/kWh) (\$/kWh) - (\$/kWh) (\$/kWh) (\$/kWh) (\$/kWh) - (\$/kWh) (\$	(1)	(2)	(3)				
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				Total			

PEDRO BAY VILLAGE COUNCIL

	Invoice	Delivery	0 "	Cost per	Delivery/ Mark-Up		
	Number	Date	Gallons	Gallon	per Gallon	l l	otal Cost
Beginning Fuel Inventory			100	0.5404			
Last Approved Fuel Cost/Gal.	3.5491				•	054.04	
Beginning Fuel Inventory in Gallons	X Last Approved Fuel Cost/Gal. = Beginning Fuel Inventory Cost>				>	\$	354.91
Reporting Period Purchases	4546	07/01/20	1,638.4	3.0580	0.4511		5,749
							-
							-
							-
							-
							-
							-
							-
							-
							-
							-
							-
Totals for Reporting Period							
Purchases on this sheet:			1,638			\$	5,749.31
Grand Totals (beginning inventory plus purchases) A B \$							6,104.22
Grand Total	Cost divided	by Grand T	otal Gallons =	3.5114	Weighted Avg	g. Cost	per gallon
Purchases: Total				3.5091	Weighted Av	g. Cost	per gallon

Staff notes Pedro Bay included the State motor fuel tax of \$0.08 in the cost per gallon of fuel on its Fuel Report. Staff removed the motor fuel tax from the amount reported to calculate the cost per gallon listed above. Staff removed it because fuel used by power plants for power generation are exempt and entitled to a refund of the motor fuel tax paid. (AS 43.40.015(d)(1), AS 43.40.030(d), and AS 43.40.100(C)).

Pedro Bay's 2021 mark-up Schedule shows a mark-up of \$0.8390, made up of \$0.4511 expenditures per gallon and \$0.3879 for restocking fuel and R&R account. Staff did not include the \$0.3879 per gallon because the restocking fuel and R&R accounts are not costs to the utility at this time.

Signature: Owner M Purel

Email: bob.pickett@alaska.gov

Signature: Keith Kurber //
Keith Kurber II (Nov 4, 2021 08:26 AKDT)

Email: keith.kurber@alaska.gov

Signature:

Email: antony.scott@alaska.gov

Signature: Janis W. Wilson

Janis W. Wilson (Nov 4, 2021 15:32 AKDT)

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